

**BELL SYSTEM PRACTICES**  
**Outside Plant Construction**  
**and Maintenance**

**SECTION G38.115.1**  
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**AT&T Co Standard**

## **PROTECTION**

### **87A PROTECTOR MOUNTING**

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#### **1. GENERAL**

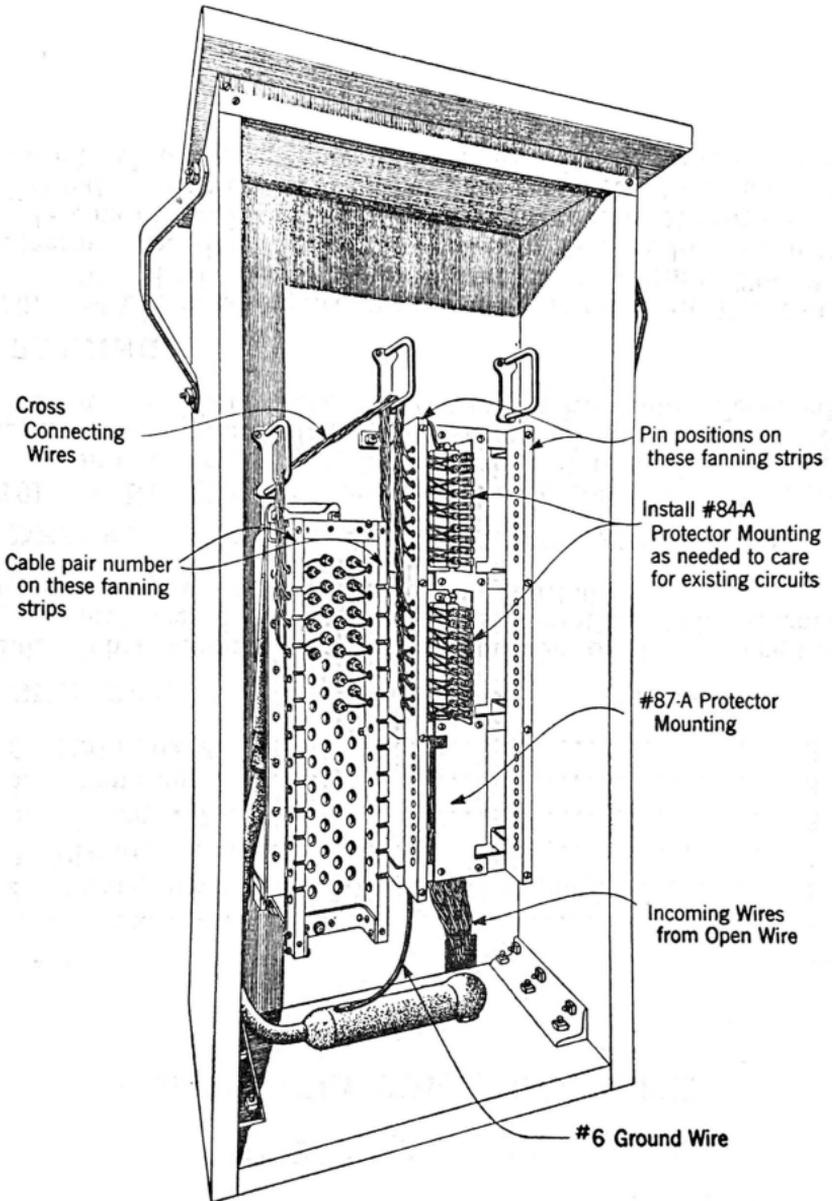
1.01 This section provides information on the description and use of the 87A Protector Mounting. This information was formerly covered in Section G31.140.

#### **2. DESCRIPTION OF 87A PROTECTOR MOUNTING**

2.01 A No. 87A Protector Mounting consists of a metal mounting strip equipped with metal holding brackets and wooden fanning strips. It is designed to mount six No. 84A Protector Mountings, and is used in EA Cable Terminals.

#### **3. PLACING**

3.01 84A Protector Mountings are mounted in EA Cable Terminals on an 87A Protector Mounting. The 84A Protector Mounting for the top crossarm shall be located in the top left-hand position on the 87A Protector Mounting. As additional protector mountings are required, they shall be mounted below the existing one. See the following illustration:



3.02 The 87A Protector Mounting is equipped with No. 8-32 Round Head Brass Machine Screws 5/16" long for the purpose of securing the 84A Protector Mountings in place. Two screws are provided for each protector mounting position.

#### 4. WIRING

- 4.01 Use the kind of wire shown in the section covering "Open Wire—Bridling".
- 4.02 Terminate the bridling from the open wire in an EA terminal as outlined in the following:
- (a) Run the bridling from the entrance hole at the bottom of the terminal up behind the 87A Protector Mounting to the proper entrance hole in the fanning strip. The bridling from the open wire shall go through the upper hole and the cross-connecting wire from the cable pair binding post shall go through the lower hole. Place the pair through the hole and cut to proper length for terminating.
  - (b) Skin and clean the ends of each conductor. Place the conductor under the lower washer and around the binding post in the direction that the nut tightens so that there will be 1/8-inch separation between the insulation and the washers. Turn down the nut to obtain firm contact. (See illustration in Paragraph 3.01.)
- 4.03 Insert ends of the cross-connecting wire through the lower entrance hole associated with the proper protector binding posts. Loosen the nut on the binding post. Place the cleaned end of the wire **between the two washers** and around the binding post in the direction the nut tightens so that there will be 1/8-inch separation between the insulation and the washers. Turn down the nut to obtain firm contact.

#### 5. GROUNDING

- 5.01 At EA Cable Terminals connect the ground post of the first 84A Protector Mounting to the cable sleeve using No. 6 Ground Wire. Run the ground wire from the ground post down behind the 87A Protector Mounting and solder it to the sleeve. See the illustration in Paragraph 3.01.

#### 6. MAINTENANCE

- 6.01 Use No. 26 (carbon) and No. 30 (blue) Protector Blocks in an 84A Protector Mounting unless otherwise instructed. Equip mountings with protector blocks only as needed.